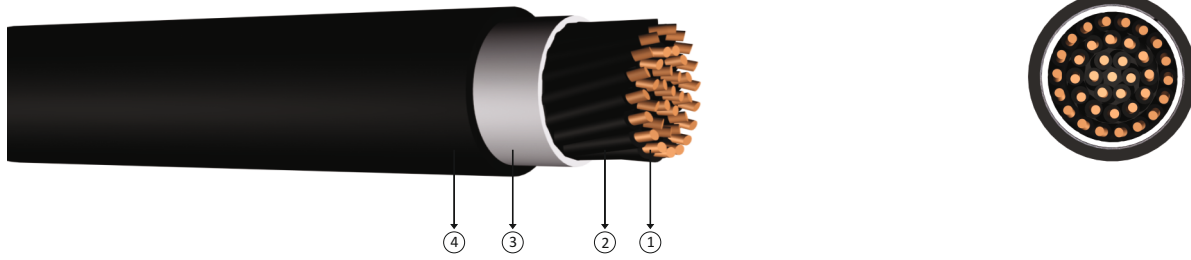


0.6/1 kV halogen free, flame retardant, XLPE insulated control cable with copper conductor



Code: YXZ1-U, YXZ1-R, N2XH, CU/XLPE/LSZH

O: Yellow / green veinless
U: Solid conductor

J : Yellow / green core
R : Stranded Conductor

Standards: HD 604 S1, IEC 60502-1, VDE 0271

Technical Data

Max. operating temperature : 90 °C
Max. short circuit temperature : 250 °C (max. 5 sec.)
Rated voltage : 0.6/1 kV
Min. bending radius : 12 x D
D : Cable outer diameter

Application

These cables have a low dielectric loss, used in indoors and outdoors, in cable ducts, underground, in power or switching stations, local energy distributions, industrial plants, where there is risk of mechanical damage and fire.

Construction

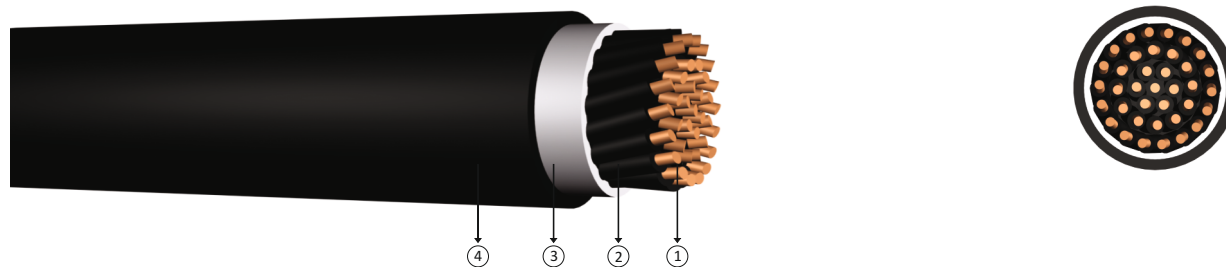
- ① Solid or stranded copper conductor ② XLPE insulation ③ Filler ④ HFFR outer jacket

DIMENSION AND WEIGHTS			ELECTRICAL PROPERTIES			
Nominal Cross Section	Overall Diameter (approx)	Net Weight (approx)	Delivery Length	DC Conductor Resistance at 20 °C Max	Current Carrying Capacity (A)	
mm ²	mm	kg/km	m	ohm/km	In ground at 20 °C	In air at 30 °C
5x1.5	12.0	220	1000	12.1	21.0	18.0
6x1.5	13.0	270	1000	12.1	19.5	16.8
7x1.5	13.2	290	1000	12.1	18.0	15.6
8x1.5	15.0	370	1000	12.1	16.5	14.4
10x1.5	15.5	390	1000	12.1	15.0	13.2
12x1.5	16.0	430	1000	12.1	14.3	12.6
14x1.5	17.0	480	1000	12.1	13.5	12.0
16x1.5	17.4	520	1000	12.1	12.8	11.4
19x1.5	18.0	590	1000	12.1	12.0	10.8
21x1.5	19.0	650	1000	12.1	11.3	10.2
24x1.5	21.0	770	1000	12.1	10.5	9.6
27x1.5	21.4	800	1000	12.1	10.2	9.4
30x1.5	22.0	900	1000	12.1	9.9	9.1
37x1.5	24.0	1050	1000	12.1	9.3	8.6
40x1.5	25.0	1150	1000	12.1	9.0	8.4
48x1.5	27.0	1350	1000	12.1	8.4	7.9
52x1.5	28.0	1450	1000	12.1	7.8	7.4
61x1.5	30.0	1650	1000	12.1	7.5	7.2

Note
In ground : Current carrying capacities are valid under the following conditions;
: 20 °C, 70 cm depth of lay, soil-thermal resistivity 1 K.m/W, load factor 0.7
In air : 30 °C, load factor 1.0
Number of system : 1



0.6/1 kV halogen free, flame retardant, XLPE insulated control cable with copper conductor



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Application

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Construction

- 1 Solid or stranded copper conductor 3 Filler
- 2 XLPE insulation 4 HFFR outer jacket

DIMENSION AND WEIGHTS			ELECTRICAL PROPERTIES			
Nominal Cross Section	Overall Diameter (approx)	Net Weight (approx)	Delivery Length	DC Conductor Resistance at 20 °C Max	Current Carrying Capacity (A)	
mm ²	mm	kg/km	m	ohm/km	In ground at 20 °C	In air at 30 °C
5x2.5	13.0	270	1000	7.41	28.0	24.0
6x2.5	13.5	325	1000	7.41	26.0	22.4
7x2.5	14.0	340	1000	7.41	24.0	21.0
8x2.5	15.0	440	1000	7.41	22.0	19.0
10x2.5	16.5	500	1000	7.41	20.0	17.5
12x2.5	17.0	550	1000	7.41	19.0	16.5
14x2.5	17.5	630	1000	7.41	18.0	16.0
16x2.5	18.5	700	1000	7.41	16.5	15.0
19x2.5	19.5	790	1000	7.41	16.0	14.5
21x2.5	20.0	850	1000	7.41	15.0	13.5
24x2.5	23.0	1020	1000	7.41	14.0	13.0
27x2.5	24.0	1090	1000	7.41	13.5	12.5
30x2.5	25.0	1190	1000	7.41	13.0	12.0
37x2.5	26.0	1440	1000	7.41	12.5	11.5
40x2.5	28.0	1530	1000	7.41	12.0	11.0
48x2.5	30.0	1890	1000	7.41	11.0	10.5
52x2.5	32.0	2030	1000	7.41	10.5	10.0
61x2.5	33.0	2270	1000	7.41	10.0	9.5

Note
 In ground : 20 °C, 70 cm depth of lay, soil-thermal resistivity 1 K.m/W, load factor 0.7
 In air : 30 °C, load factor 1.0
 Number of system : 1